optimization problems and multi-agent dynamic games, with a focus on applications to issues rele-
vant to the environment, energy, natural resources, agriculture, and development.—II. (II)

256A. Applied Econometrics I (4)
Lecture—4 hours. Prerequisite: course 106 or Eco-
nomics 140; or consent of instructor. First of two courses in the Masters-level econometrics sequence. The linear regression model and generalizations are applied to topics in agricultural and resource economics. Tools for empirical research for problems requiring more sophisticated tools than standard regression models are emphasized.—I. (I)

256B. Applied Econometrics II (4)
Lecture—4 hours. Prerequisite: course 256A or con-
sent of instructor. Second of two courses in the Mas-
ters-level econometrics sequence. The linear regression model and generalizations are applied to topics in agricultural and resource economics. Tools for empirical research for problems requiring more sophisticated tools than standard regression models are emphasized.—II. (II)

258. Demand and Market Analysis (4)
Lecture—4 hours. Prerequisite: courses 204B and
256 or consent of instructor. Application of theoreti-
cal material covered in 204A/B, with particular
focus on production theory/factor demand and
imperfect competition/market power. Use of theoreti-
cal models as a foundation for empirical analysis,
and empirical exercises. Independent research on chosen topics, with empirical applica-
tion.—III. (III)

275. Economic Analysis of Resource and
Environmental Policies (4)
Lecture/discussion—4 hours. Prerequisite: course
204A. Development of externality theory, market
failure concepts, welfare economics, theory of
renewable and non-renewable resource use, and
political economic models. Applications to policy
issues regarding the agricultural/environment inter-
face and managing resources in the public domain.
Course as Environmental Science and Policy
275.—I. (I)

276. Environmental Economics (4)
Lecture—3 hours; discussion—1 hour. Prerequisite:
course 204A or consent of instructor. Applications of
externality theory to the design of efficient environ-
mental policies. Evaluation of pollution control policy
instruments in light of information limitations and
market imperfections. Methods for nonmarket valua-
tion of the benefits of environmental improvement.

277. Natural Resource Economics (4)
Lecture—4 hours. Prerequisite: course 254 or con-
sent of instructor. Application of capital theory and
dynamic methods to issues of optimal use of renew-
able and nonrenewable resources. Examination of
policy issues associated with forests, fisheries,
groundwater, energy resources, watersheds, soil,
global climate, and wildlife.—III. (III)

290. Topics in Agricultural and Resource
Economics (3)
Lecture—3 hours. Selected topics in agricultural and
resource economics, focusing on current research.
May be repeated 4 times for credit. Offered irregu-
larly.

293. Analysis of California Agriculture and
Resources (3)
Lecture—1.5 hours; fieldwork—45 hours total,
including one 5-day summer field trip. Review and
analysis of production, marketing, and resource
issues facing agricultural firms in California. Appli-
cation of economic theory and measurement to in-
dividual firm and industry decisions in an applied
setting. (S/U grading only)—I. (I)

298. Directed Group Study (1-5)
Advanced study through special seminars, informal
group studies, or group research on problems for
analysis and experimentation. Sections: (1) Manage-
rial Economics; (2) Agricultural Policy; (3) Commu-
nity and Regional Development; (4) Natural
Resources; (5) Human Resources; (6) Research Meth-
ods and Quantitative Analysis.

299. Individual Study (1-12)
Sections: (1) Managerial Economics; (2) Agricultural
Policy; (3) Community and Regional Development;
(4) Natural Resources; (5) Human Resources; (6) Research
Methods and Quantitative Analysis; and (7) Dissertation Research Prospectus. (S/U grading only)

399D. Special Study for Doctoral
Dissertation (1-12)
(S/U grading only)

Professional

396. Teaching Assistant Training Prac-
ticum (1-4)
Prerequisite: graduate standing. May be repeated
for credit. (S/U grading only)

Agricultural Systems and Environment

(College of Agricultural and Environmental Science)

Minor Program Requirements:

Agricultural Systems and
Environment ........................................... 18-19

Preparatory material: Course in statistics such as
Statistics 13, 32, 100, Plant Sciences 120,
Sociology 428 or equivalent. Course in plant
science such as Plant Sciences 2, Biological
Sciences 1C, or equivalent; completion of
Biological Sciences 2A and 2B and 2C also
fulfills this requirement.

Select one of the two following tracks:

Sustainable Agriculture track
Plant Sciences 142 or 150 ............... 4
Soil Science 100 .............................. 5
Plant Sciences 105 or 176 or
Entomology 110 ............................ 3-5
Minimum of six units from the following:
Plant Sciences 110A, 110C, 110J, 112,
113, 114 170A, 170B, 170C .......... 6

Range and Natural Resources track
Plant Sciences 130 ............................. 3
Minimum of 15 units from the following:
Plant Sciences 112, 131, 135, 150,
Environmental Science and Policy 123,
172, Wildlife, Fish and Conservation
Sciences 125

Minor Advisers: T. Gradziel (Plant Sciences)
Advising Center is located in 1220A Plant and
Environmental Sciences 300-752-1715.

Agronomy

See Plant Sciences, on page 476.

Agronomy and Range Science

See Plant Sciences, on page 476.

American Studies

(College of Letters and Science)

Julie Sze, Ph.D., Program Director

Program Office. 2134A Hart Hall
530-752-6429; http://ams.ucdavis.edu

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Christina Cogdell, Ph.D. (Design)
Carolyn de la Peña, Ph.D. (American Studies)
Caren Kaplan, Ph.D. (American Studies)
Susette Min, Ph.D. (Asian American Studies)
Eric Smoordin, Ph.D. (American Studies)
Julie Sze, Ph.D. (American Studies)
Grace Wang, Ph.D. (American Studies)

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Jay Mechling, Ph.D., Professor Emeritus
Academic Senate Distinguished Teaching Award
Michael L. Smith, Ph.D., Senior Lecturer Emeritus
David Scafeld Wilson, Ph.D., Senior Lecturer Emeritus

The Major Program

American Studies explores the cultures of the United
States, as well as their transnational exchanges and
impact. The discipline’s practitioners seek to under-
stand the historical origins of particular cultures and
practices held by individuals and groups within the
United States and how those values and beliefs
shape social and political realities within and
beyond U.S. borders. The approach that American
Studies takes is interdisciplinary, meaning that in
American Studies we answer these questions using
tools developed by numerous disciplines including
history, sociology, anthropology, literary criticism,
folklore, media and science and technology studies.

American Studies takes as its subject American cul-
tures and provides an excellent, broad education in
the liberal arts. Our aim is to make each student a
culture critic, a person capable of bringing a
thoughtful and humane approach to bear upon our
understanding of the varieties of American experi-
ences. Making connections is the way we like to
characterize our work in American Studies. Ameri-
can Studies majors are good critical thinkers, de-
velop excellent writing skills, and most importantly
“learn how to learn,” that is, you learn to figure out
what intellectual tools and specialized knowledge
you will need to perform a task or solve a problem.

These intellectual and communication skills will pre-
pare majors for a broad array of careers.

The Program.

American Studies majors take five upper division courses devoted to close study of major issues crucial to the practice of American Stud-
ies. Advanced work in at least two other depart-
ments or programs allows each student to tailor his
or her own individual education goals. Sample
emphases include: Cultural Consumption, Youth
Education, Social Identities, Nature, Culture
and Environment, Marketing, Advertising and
Business, and Food and Health, for example. Students have
the option of writing a senior thesis within this
emphasis.

Career Alternatives.

As an interdisciplinary pro-
gram, American Studies provides a good liberal arts
and sciences undergraduate education. American
Studies maximizes a strong foundation in a variety of
subject matter and approaches. Graduates have
moved into a broad range of career settings, includ-
ing journalism, law, teaching, marketing, non-profit
and community organizing, government, social
work, environmental planning, library science,